

**Agenda for Week of: May 23, 2011**

**Character Theme: \_\_\_\_\_**

**Guiding Questions:**

- 1) Why doesn't Earth's atmosphere blow away?
- 2) What are two ways that electromagnetic radiation from the sun warm the atmosphere?
- 3) How can the planet act like a greenhouse if there isn't glass up in the sky?

Date	Objectives	Vocabulary	Homework
Monday 5/23	Graph the given data for temperature vs. altitude  Interpret the graph to identify the four layers of our atmosphere	Thermosphere Mesosphere Ozone layer Stratosphere Troposphere	(1) Finish graph and question #1-3. (2) Extra credit (due 5/27) Empower3000: "The Time To Act Is Now!"
Tues 5/24	Identify which layer of the atmosphere we live in and why it doesn't blow away.	Pressure gradient Temperature gradient	Finish graphing packet (questions on back page). Due @ beginning of next class.
Acuity Testing 7:35-9:35am Wed, 5/25 (7 <sup>th</sup> period) OR Thurs 5/26 (2 <sup>nd</sup> period)	Explain how the <i>troposphere</i> is heated in a different way than the <i>stratosphere</i> .	Longwave radiation Greenhouse gas Shortwave radiation Ozone (O <sub>3</sub> )	Make a Venn Diagram contrasting the "troposphere" and the "stratosphere." Include at least 3 items in each circle.
Fri, 5/27	Illustrate and explain the steps of the greenhouse effect.		Draw a picture that shows and labels the steps of the greenhouse effect. <i>Color it for extra credit. The best and most accurate drawings will be hung up!</i>

**Next Tuesday: "Greenhouse Effect: the Play!"**

**UPDATES:**

We are beginning our last unit: EARTH SCIENCE - my favorite!! It has two parts:

- I. Atmosphere (layers & composition of the atmosphere, the greenhouse effect, etc.)
- II. Geosphere (plate tectonics, rocks & minerals, the rock cycle)

**REMINDERS**

- 1) **Calculator:** Remember to bring your calculator to class every day!
- 2) **Binder:** Bring it to class **every day**. You will have a weekly Binder Check Pop-quiz.
- 3) **Homework** counts for 10% of your grade and HELPS your grade!
- 4) **Have questions?** Stay for **tutoring** on Mondays and Thursdays HERE from 2:45 – 3:30. You will earn **extra credit** for showing this extra effort!

Empower articles for the 4<sup>th</sup>

- 1) "Our Privacy or Our Safety?" (Revisions due 5/15 by 5pm)
- 2) "Making the World Clean and Safe" (classwork 5/20)
- 3) "The Time To Act Is Now!" (**Extra credit opportunity** – Activity and Thought Question due by 5/27)
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_